

Clean Set of Amended Claims

*S*ubj C 8. (Twice Amended) A drug infusion assembly for microinfusing a drug into the hypothalamus of a patient's brain, comprising:

a plurality of microinfusion catheters configured to be inserted into the hypothalamus of a patient's brain, wherein at least one microinfusion catheter of said plurality of microinfusion catheters comprises a plurality of drug delivery ports arranged to deliver a drug to a separate site within the hypothalamus;

C a drug delivery manifold, wherein each of said plurality of microinfusion catheters is functionally coupled to said drug delivery manifold;

a drug supply line functionally coupled to said drug delivery manifold; and

a drug reservoir/pump for retaining and pumping a drug, said drug reservoir/pump functionally coupled to said drug supply line.

*S*ubj C 40. (Amended) The drug infusion assembly as claimed in claim 8, further comprising a macrocatheter for housing the plurality of microinfusion catheters.

C 3 Subj C 42. (Amended) The drug infusion assembly as claimed in claim 8, wherein at least one microinfusion catheter of the plurality of microinfusion catheters is configured such that each of the plurality of drug delivery ports can be independently controlled.

Sab W 44. (Amended) The drug infusion assembly as claimed in claim 43, further comprising a controller functionally coupled to at least one microinfusion catheter of the plurality of microinfusion catheters wherein the controller independently controls delivery of a drug from each of the plurality of drug delivery ports of the at least one microinfusion catheter using information gathered from the monitoring electrodes.

C. Please add new claims 52-79 as follows:

Subh ✓ 52. (New) The drug infusion assembly of claim 8, wherein the plurality of drug delivery ports is disposed along a length of the at least one microinfusion catheter.

Q 53. (New) A drug infusion device, comprising a plurality of microinfusion catheters configured to receive a drug and infuse the drug into the hypothalamus of a patient.

Q 54. (New) A drug infusion assembly comprising the drug infusion device of claim 53, and further comprising a pump configured to controllably supply a drug to the plurality of microinfusion catheters.

C5 ✓ 55. (New) The drug infusion assembly of claim 54, further comprising a manifold configured to convey the drug from the pump to the plurality of microinfusion catheters.

56. (New) The drug infusion assembly of claim 54, wherein the pump can be controlled percutaneously.

4/2 ✓ 57. (New) The drug infusion assembly of claim 54, wherein at least one microinfusion catheter comprises multiple individually controllable drug delivery ports disposed along a length of the at least one microinfusion catheter.

58. (New) The drug infusion assembly of claim 54, further comprising a macrocatheter housing the plurality of microinfusion catheters.

9 59. (New) The drug infusion assembly of claim 58, wherein the macrocatheter comprises a magnet.

43 60. (New) The drug infusion assembly of claim 54, further comprising at least one electrode configured to sense the electrical activity of the hypothalamus.

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43 61. (New) The drug infusion assembly of claim 60, wherein the pump is configured to communicate with the at least one electrode and supply the drug to at least one of the plurality of microinfusion catheters in accordance with the electrical activity of the hypothalamus.

41 62. (New) The drug infusion assembly of claim 54, wherein the drug is configured to affect the weight of the patient.

(with all other claims omitted)
C63. (New) A drug infusion device, comprising at least one microinfusion catheter configured to receive a drug and infuse the drug into a tissue of a patient, wherein the at least one microinfusion catheter comprises a plurality of individually controllable drug delivery ports disposed along a length of the at least one microinfusion catheter.

§ 64. (New) The drug infusion device of claim 63, wherein the tissue comprises the hypothalamus.

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65. (New) The drug infusion device of claim 63, further comprising a macrocatheter configured to house the at least one microinfusion catheter.

AQ 66. (New) The drug infusion device of claim 65, wherein the at least one microcatheter comprises a plurality of microcatheters, each of the plurality of microcatheters comprising a plurality of individually controllable drug delivery ports disposed along a length of the respective microcatheter.
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9 67. (New) The drug infusion assembly of claim 65, wherein the macrocatheter comprises a magnet configured to cooperate with an external magnetic field to guide the macrocatheter.

*§ 68. (New) A drug infusion assembly comprising the drug infusion device of claim 63,
and further comprising a pump configured to deliver the drug to the at least one microinfusion catheter.*

69. (New) The drug infusion assembly of claim 68, wherein the pump is configured to be controlled percutaneously.

70. (New) The drug infusion assembly of claim 68, further comprising a manifold configured to convey the drug from the pump to the at least one microinfusion catheter.

71. (New) A drug infusion device, comprising:
a macrocatheter; and
a plurality of microinfusion catheters protrusibly disposed within the macrocatheter, wherein at least one microinfusion catheter comprises a plurality of drug delivery ports and is configured to receive a drug and infuse the drug into a tissue of a patient.

72. (New) The drug infusion device of claim 71, wherein the plurality of drug delivery ports comprises individually controllable drug delivery ports.

73. (New) The drug infusion device of claim 71, wherein the plurality of drug delivery ports are disposed along a length of the at least one microinfusion catheter.

9 74. (New) The drug infusion device of claim 71, wherein the macrocatheter comprises a magnet configured to aid in the stereotactic placement of the macrocatheter in the tissue.

42 75. (New) The drug infusion device of claim 74, wherein the plurality of drug delivery ports comprises individually controllable drug delivery ports.

9 76. (New) The drug infusion assembly of claim 74, wherein the magnet comprises a magnetic collar disposed on the macrocatheter proximate to an end of the macrocatheter.
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8 77. (New) A drug infusion assembly comprising the drug infusion device of claim 71, and further comprising at least one pump configured to controllably supply the drug to the at least one microinfusion catheter.

78. (New) The drug infusion assembly of claim 77, wherein the at least one pump is configured to be controlled percutaneously.

8 79. (New) The drug infusion assembly of claim 77, further comprising a manifold configured to convey the drug from the at least one pump to the at least one microinfusion catheter.